

(PRIOR ART)

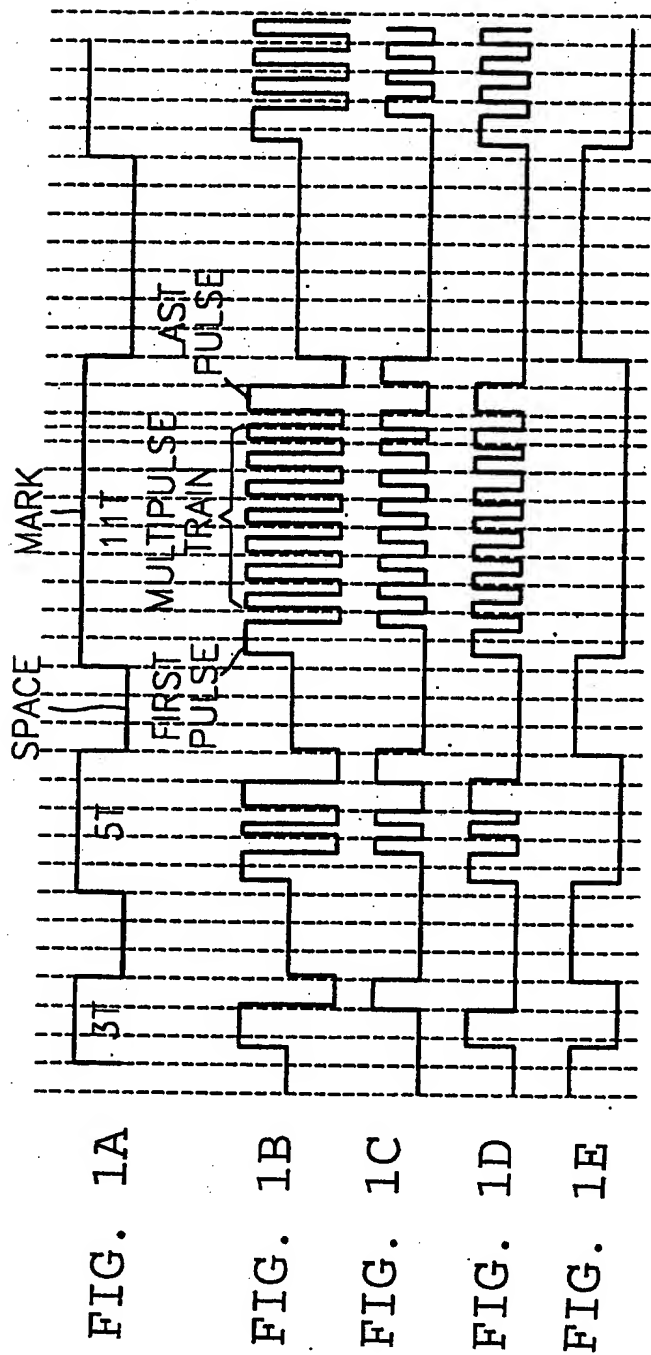
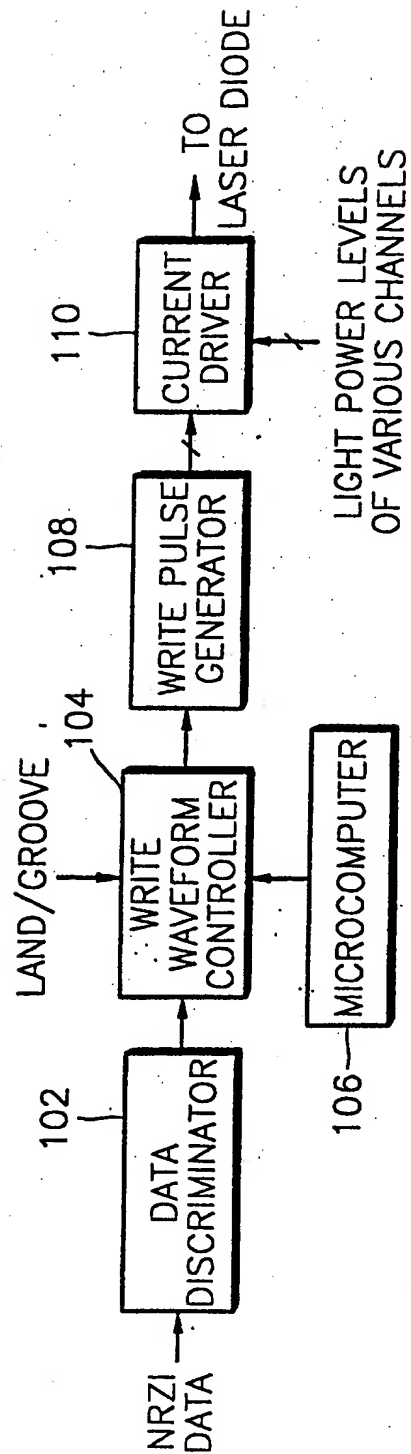


FIG. 2



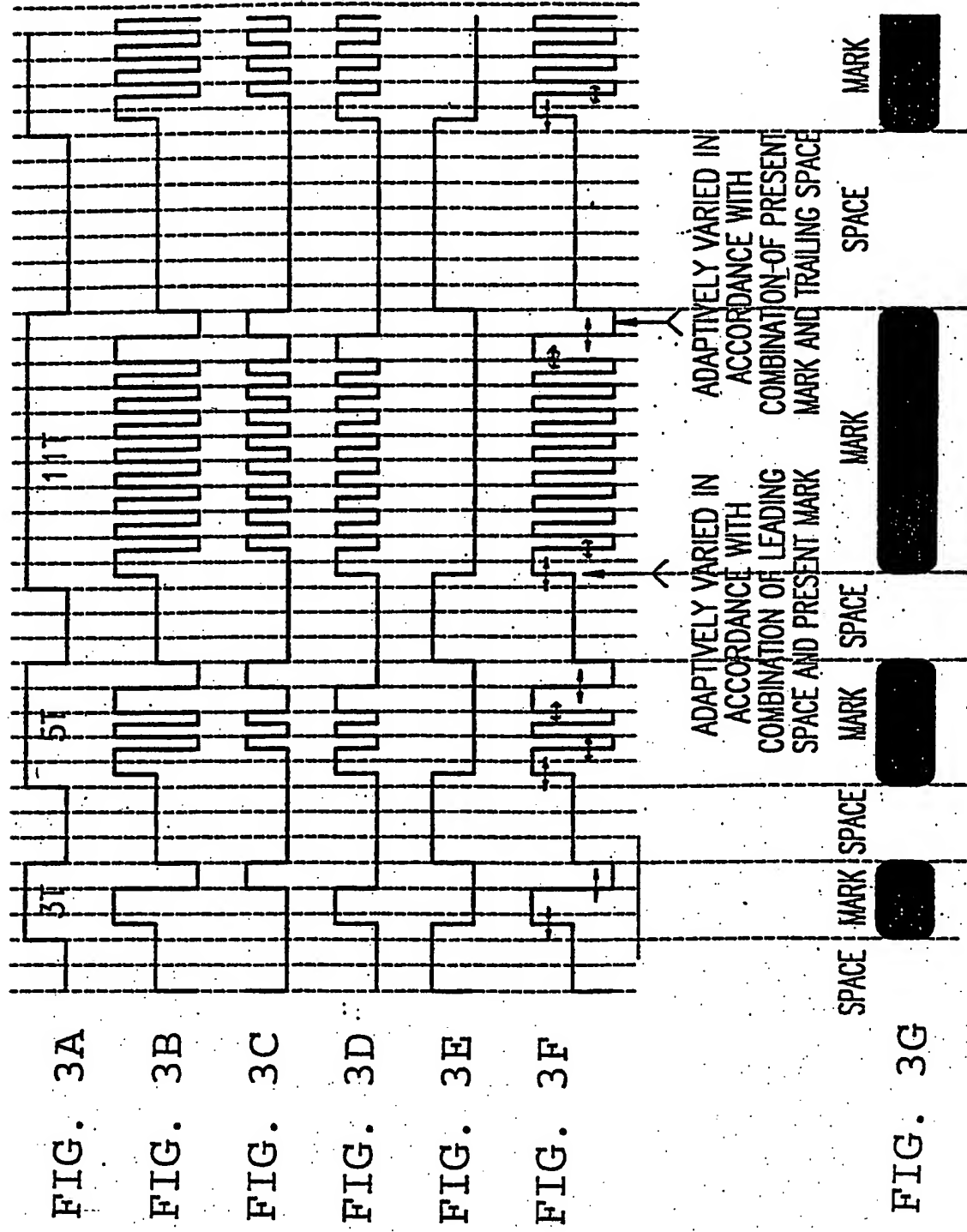


FIG. 4

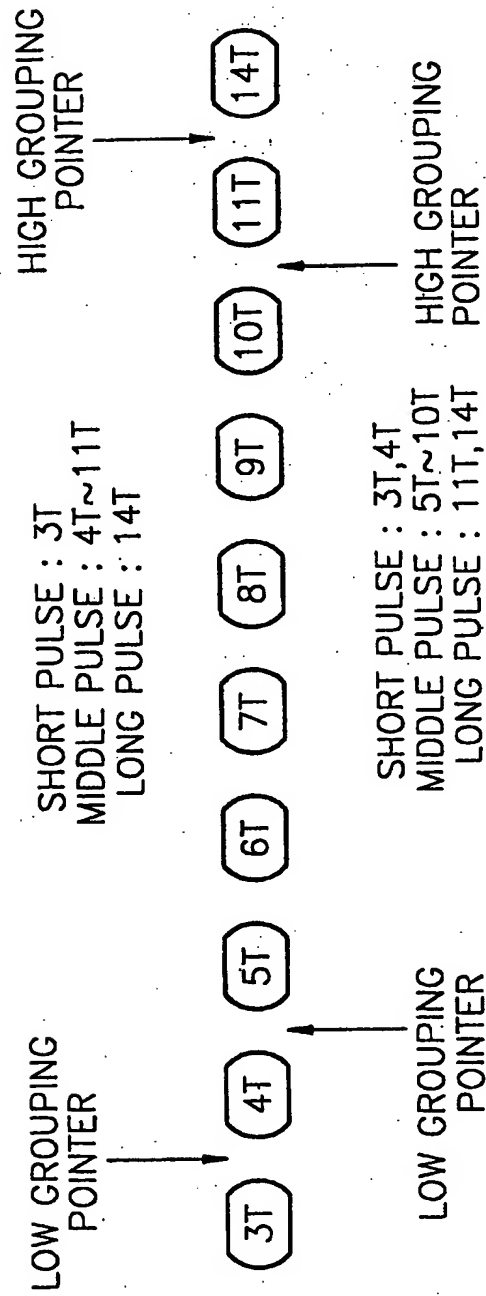


FIG. 5

| LEADING SPACE | PRESENT MARK | TRAILING SPACE |
|---------------|--------------|----------------|
| SHORT PULSE | SHORT PULSE | SHORT PULSE |
| SHORT PULSE | SHORT PULSE | MIDDLE PULSE |
| SHORT PULSE | SHORT PULSE | LONG PULSE |
| SHORT PULSE | MIDDLE PULSE | SHORT PULSE |
| SHORT PULSE | MIDDLE PULSE | MIDDLE PULSE |
| SHORT PULSE | MIDDLE PULSE | LONG PULSE |
| SHORT PULSE | LONG PULSE | SHORT PULSE |
| SHORT PULSE | LONG PULSE | MIDDLE PULSE |
| SHORT PULSE | LONG PULSE | LONG PULSE |
| MIDDLE PULSE | SHORT PULSE | SHORT PULSE |
| MIDDLE PULSE | SHORT PULSE | MIDDLE PULSE |
| MIDDLE PULSE | SHORT PULSE | LONG PULSE |
| MIDDLE PULSE | MIDDLE PULSE | SHORT PULSE |
| MIDDLE PULSE | MIDDLE PULSE | MIDDLE PULSE |
| MIDDLE PULSE | MIDDLE PULSE | LONG PULSE |
| MIDDLE PULSE | LONG PULSE | SHORT PULSE |
| MIDDLE PULSE | LONG PULSE | MIDDLE PULSE |
| MIDDLE PULSE | LONG PULSE | LONG PULSE |
| LONG PULSE | SHORT PULSE | SHORT PULSE |
| LONG PULSE | SHORT PULSE | MIDDLE PULSE |
| LONG PULSE | SHORT PULSE | LONG PULSE |
| LONG PULSE | MIDDLE PULSE | SHORT PULSE |
| LONG PULSE | MIDDLE PULSE | MIDDLE PULSE |
| LONG PULSE | MIDDLE PULSE | LONG PULSE |
| LONG PULSE | LONG PULSE | SHORT PULSE |
| LONG PULSE | LONG PULSE | MIDDLE PULSE |
| LONG PULSE | LONG PULSE | LONG PULSE |

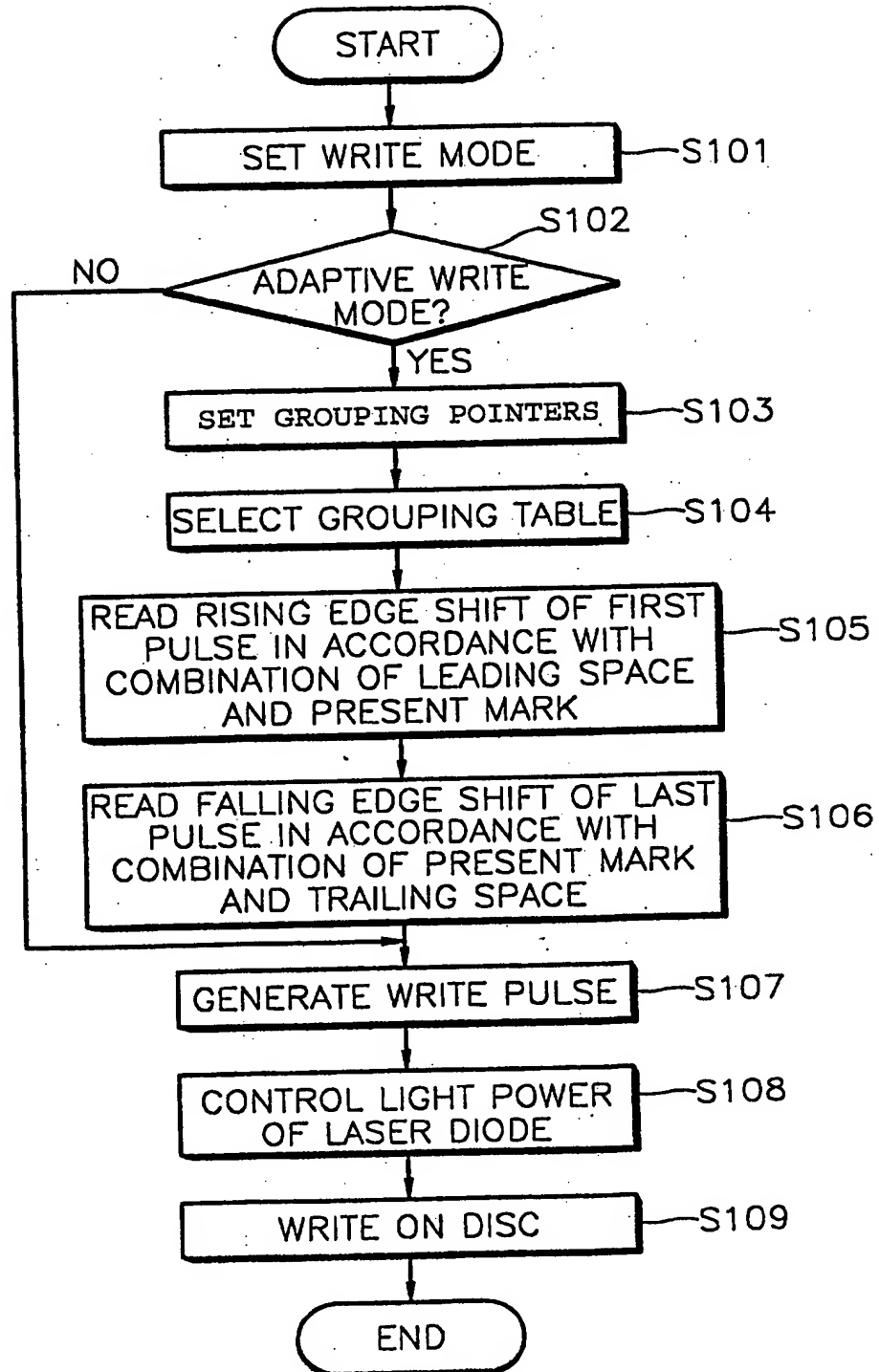
FIG. 6

| LEADING SPACE | PRESENT MARK | RIISING EDGE SHIFT OF FIRST PULSE(ns) |
|---------------|--------------|---------------------------------------|
| SHORT PULSE | SHORT PULSE | +1 |
| SHORT PULSE | MIDDLE PULSE | -1 |
| SHORT PULSE | LONG PULSE | -3 |
| MIDDLE PULSE | SHORT PULSE | +2 |
| MIDDLE PULSE | MIDDLE PULSE | 0 |
| MIDDLE PULSE | LONG PULSE | -2 |
| LONG PULSE | SHORT PULSE | -3 |
| LONG PULSE | MIDDLE PULSE | -1 |
| LONG PULSE | LONG PULSE | 0 |

FIG. 7

| PRESENT MARK | SPACE MARK | FALLING EDGE SHIFT OF LAST PULSE(ns) |
|--------------|--------------|--------------------------------------|
| SHORT PULSE | SHORT PULSE | +1 |
| MIDDLE PULSE | SHORT PULSE | +2 |
| LONG PULSE | SHORT PULSE | +4 |
| SHORT PULSE | MIDDLE PULSE | -1 |
| MIDDLE PULSE | MIDDLE PULSE | 0 |
| LONG PULSE | MIDDLE PULSE | +1 |
| SHORT PULSE | LONG PULSE | -3 |
| MIDDLE PULSE | LONG PULSE | -1 |
| LONG PULSE | LONG PULSE | 0 |

FIG. 8



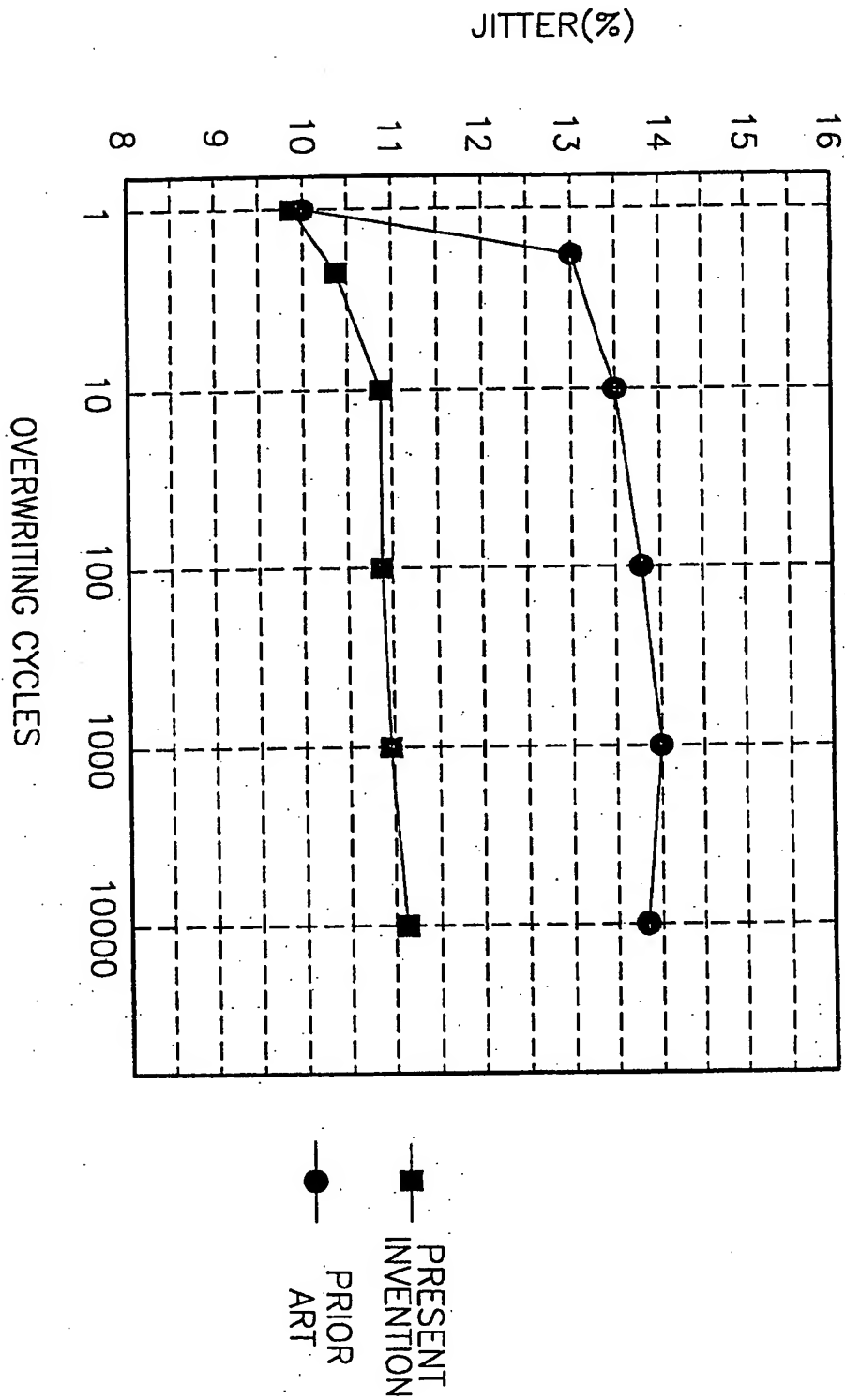


FIG. 9